

The Department of Geological Sciences
Equipment required for Mineralogy and Petrology

For Undergraduates. For 12 students.

	\$100.
1. Crystal models	50.
2. Atomic structure models	250.
3. Increase in hand specimen and thin section coll.	250.
4. Repairs and changes on 10 student microscopes	200.
5. Crystal specimens and oriented sections of crystals for measuring	

For Graduate work. For six students doing special petrography.

1. Number 3 of above list	750.
2. Three petrographic microscopes	
3. Addition to library bibliographies, optical mineralogies, tables, reference classics	100.

For research work by staff, graduates and undergraduates.

	500.
1. Crystal and liquid refractometer	
2. Research model microscope, petrographic and mineralographic, with equipment	1250.
3. Comparison microscope. Parts to be attached to two discarded petrographic models.	100.
4. Microsclerometer. Made to order	125.
5. Apparatus necessary for separating ores and minerals electrostatically, and for determining constants	300.
6. Monochromator and spectrometer	225.
7. Set of screens	25.
8. Electric hot plate	50.
9. Electromagnetic separator	350.
10. Restoring mineralographic mounting and polishing appliances	1000.
11. Solid models of phase diagrams of petrologically important systems	50.
12. Photographic equipment, microphotographic work	300.
13. Set of immersion oils	75.
14. Good chemical balance	200.
15. Two improved Joly balances (for measuring specific gravity)	100.
16. One set draughting instruments and accessories	50.
17. New minerals to bring Museum Collection up to date	2000.
	\$8400.